

## PREFABRICATED INFRASTRUCTURE SERVICES FOR A 130 PERSON TEMPORARY CAMP

In spring 2008, cooperation between Red Rock Camps, Waste Treatment Solutions and Architectural & Community Planning was required to design, supply, deliver, install and service all temporary accommodation units and related infrastructure equipment for a 130 person occupancy remote camp at the Clowhom Lake hydroelectric dam construction site near Sechelt in southern British Columbia.

**REDROCK CAMPS** offers turn-key mobile camp equipment and catering services to companies supporting the Oil and Gas, Forestry, Railway and Construction Sectors.

Redrock camps are operating from the southern reaches of Alberta and Saskatchewan to the northern lights of British Columbia & the Territories.

Redrock camps and related equipment are supported by the most reputable mobile camp equipment manufacturers.



For the **Clowhom Lake camp**, Redrock Camps has supplied all accommodation units for a 130 person occupancy camp, kitchen units including all kitchen staffing, recreation hall, offices, Redrock staff and staff accommodation and the generator based power supply for the entire camp.

In addition, as the lead contactor Redrock Camps provides the day-to-day management of the camp and a 24/7/365 service.

**WASTE TREATMENT SOLUTIONS** is an Alberta based technology company that leases and services environmentally friendly utility solutions for remote locations.

The company has established a very efficient and client oriented support and service network -- capable to respond to any camp installation, re-location or servicing issue within very short notice.

All WTS projects are located in Western Canada and on average Waste Treatment Solutions has 60 to 80 infrastructure units on lease to the oil and gas exploration industry, forestry and construction industry.



For the **Clowhom Lake camp** location, Waste Treatment Solutions provided the wastewater treatment systems as well as site installation of the equipment and the on-site earth work for the environmentally benign effluent disposal system.

In addition, WTS provided a complete potable water treatment and storage system including a pre-treatment substation and all related on-site piping and water distribution connections.

**ARCHITECTURAL & COMMUNITY PLANNING** is a Manitoba based technology developer focussing on the development of pre-assembled, "green" and sustainable infrastructure solutions.

All infrastructure appliances are designed and manufactured in-house, tested and shipped in a ready-to-operate condition to the final installation site.

Since 2000, ACPI has gained significant experience in cold climate and remote location installations -- ranging from projects at the Hudson Bay coast in Northern Manitoba, Alberta and BC to Manitoulin Island in Southern Ontario.



For the **Clowhom Lake camp** location, ACPI designed the wastewater treatment units; manufactured under license by an associated company.

In addition, ACPI custom developed, designed and manufactured the potable water treatment and storage technology. For this specific project location a combination of membrane based ultra filtration, chlorination and intrinsically safe UV disinfection was chosen.

# Prefabricated Infrastructure Services for a 130 person temporary camp



40 person accommodation units

39 person dormitory units

49 person dormitory units

Recreation facility

Commercial kitchen and dining hall to accommodate a maximum of 130 patrons

Potable water pre-treatment unit



130 person capacity wastewater treatment unit

Wastewater pre-treatment unit

Potable water treatment unit



Effluent disposal area (pressurized disposal)